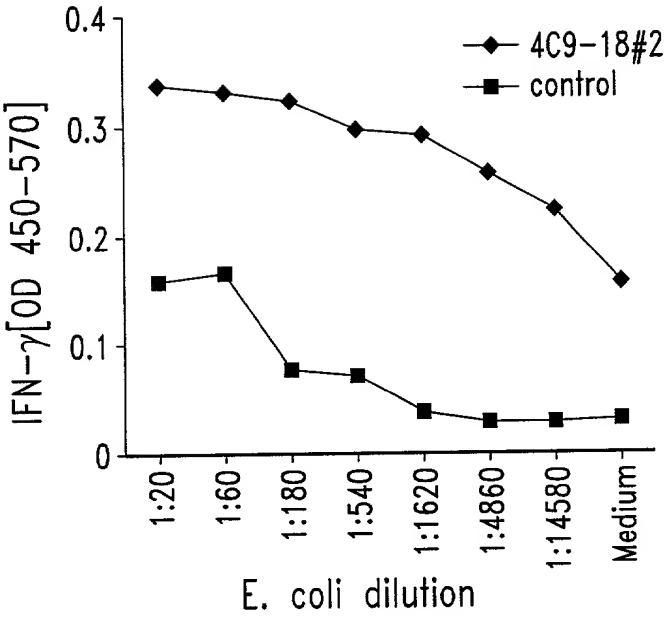

0.4
0.3
0.2
0.1
0
IFN-γ[OD 450-570]
4C9-18#2
control
1:20
1:60
1:180
1:540
1:1620
1:4860
1:14580
Medium
E. coli dilution

Fig. 1

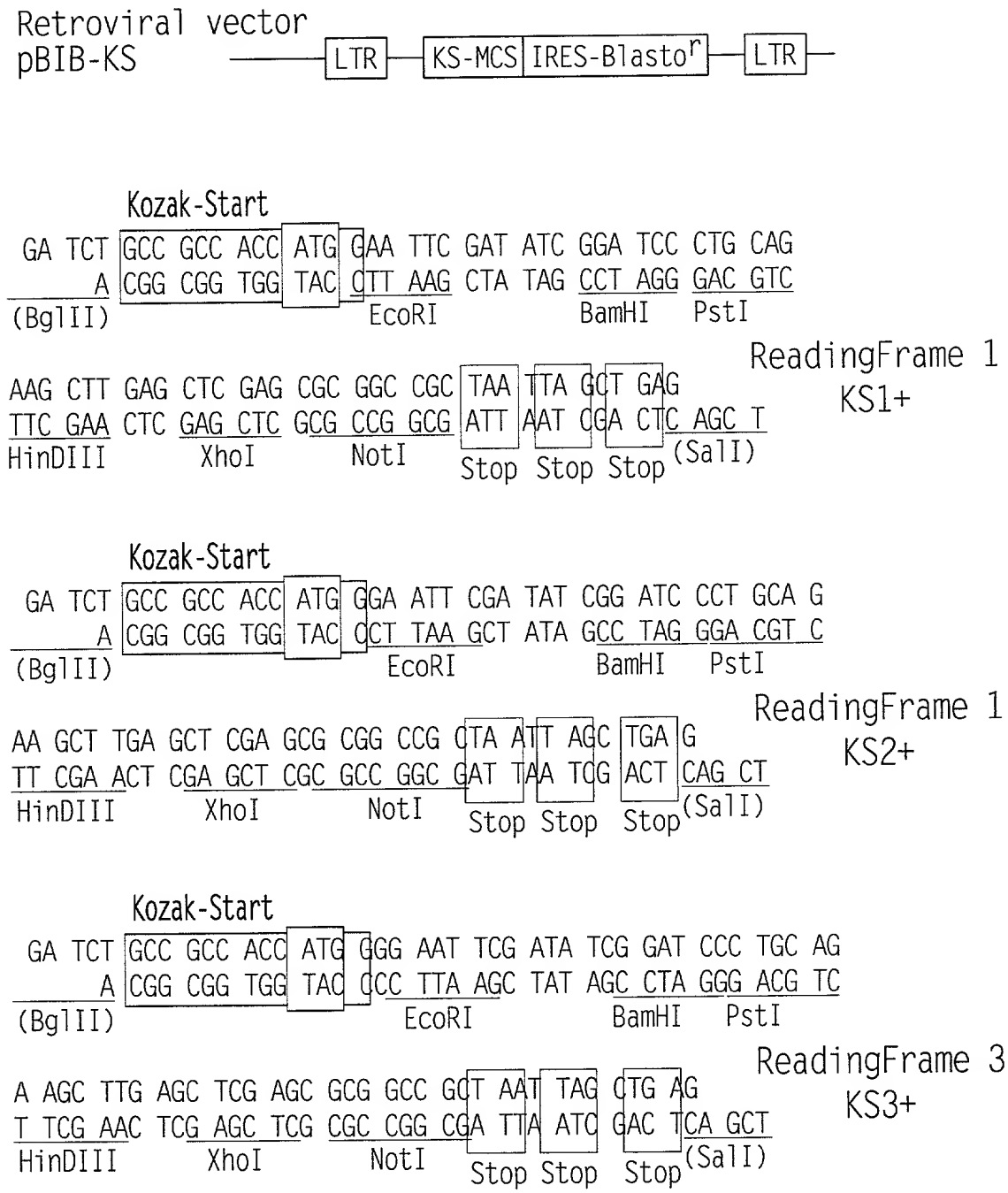

Retroviral vector
pBIB-KS
LTR
KS-MCS
IRES-Blasto^r
LTR
Kozak-Start
GA TCT GCC GCC ACC ATG GAA TTC GAT ATC GGA TCC CTG CAG
A CGG CGG TGG TAC CTT AAG CTA TAG CCT AGG GAC GTC
(BglII) EcoRI BamHI PstI
ReadingFrame 1
KS1+
AAG CTT GAG CTC GAG CGC GGC CGC TAA TTA GCT GAG
TTC GAA CTC GAG CTC GCG CCG GCG ATT AAT CGA CTC AGC T
HinDIII XhoI NotI Stop Stop Stop (SalI)
Kozak-Start
GA TCT GCC GCC ACC ATG GGA ATT CGA TAT CGG ATC CCT GCA G
A CGG CGG TGG TAC CCT TAA GCT ATA GCC TAG GGA CGT C
(BglII) EcoRI BamHI PstI
ReadingFrame 1
KS2+
AA GCT TGA GCT CGA GCG CGG CCG CTA ATT AGC TGA G
TT CGA ACT CGA GCT CGC GCC GGC GAT TAA TCG ACT CAG CT
HinDIII XhoI NotI Stop Stop Stop (SalI)
Kozak-Start
GA TCT GCC GCC ACC ATG GGG AAT TCG ATA TCG GAT CCC TGC AG
A CGG CGG TGG TAC CCC TTA AGC TAT AGC CTA GGG ACG TC
(BglII) EcoRI BamHI PstI
ReadingFrame 3
KS3+
A AGC TTG AGC TCG AGC GCG GCC GCT AAT TAG CTG AG
T TCG AAC TCG AGC TCG CGC CGG CGA TTA ATC GAC TCA GCT
HinDIII XhoI NotI Stop Stop Stop (SalI)

Fig. 2

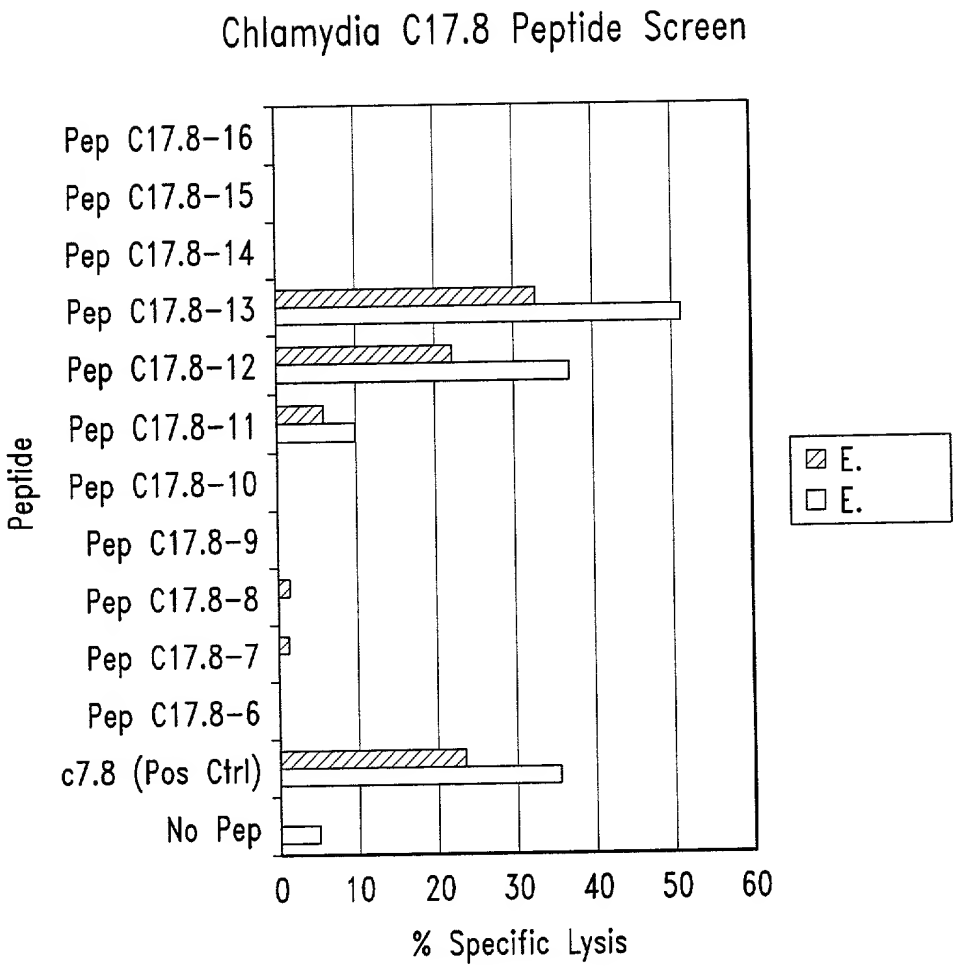

Chlamydia C17.8 Peptide Screen
Pep C17.8-16
Pep C17.8-15
Pep C17.8-14
Pep C17.8-13
Pep C17.8-12
Pep C17.8-11
Pep C17.8-10
Pep C17.8-9
Pep C17.8-8
Pep C17.8-7
Pep C17.8-6
c7.8 (Pos Ctrl)
No Pep
Peptide
0
10
20
30
40
50
60
% Specific Lysis
E.
E.

Fig. 3

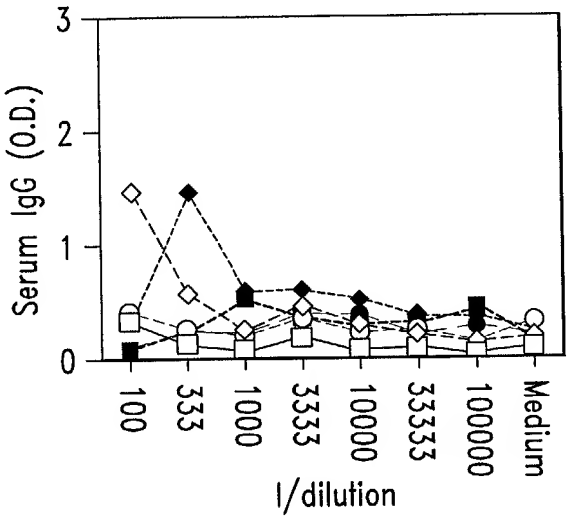


Fig. 4A

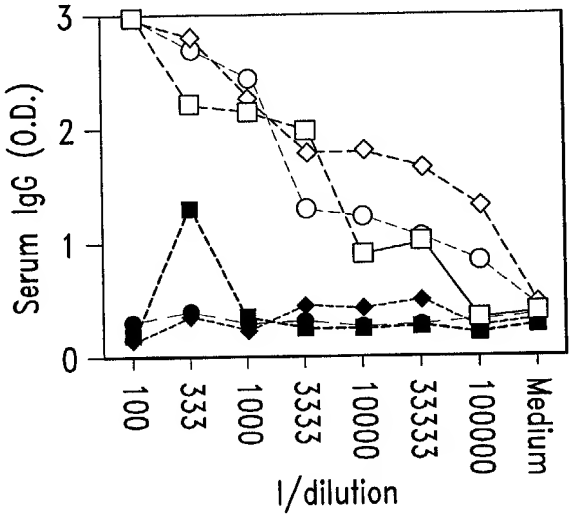


Fig. 4B

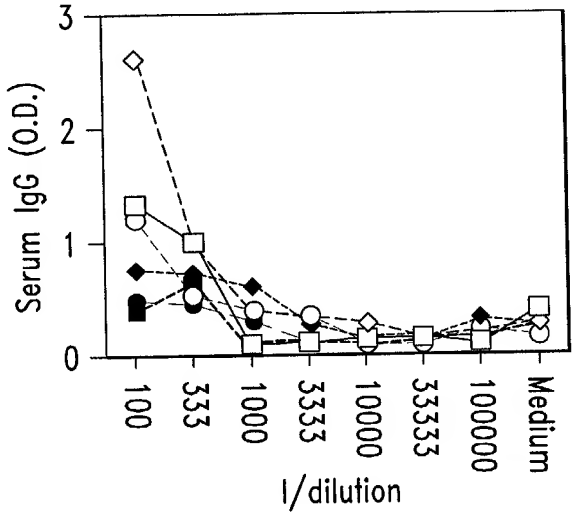
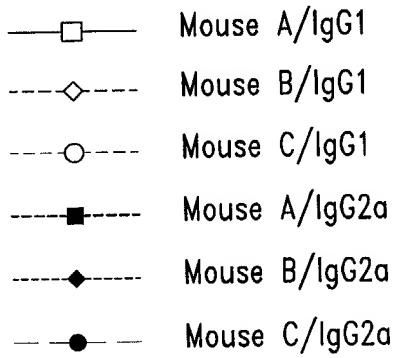


Fig. 4C



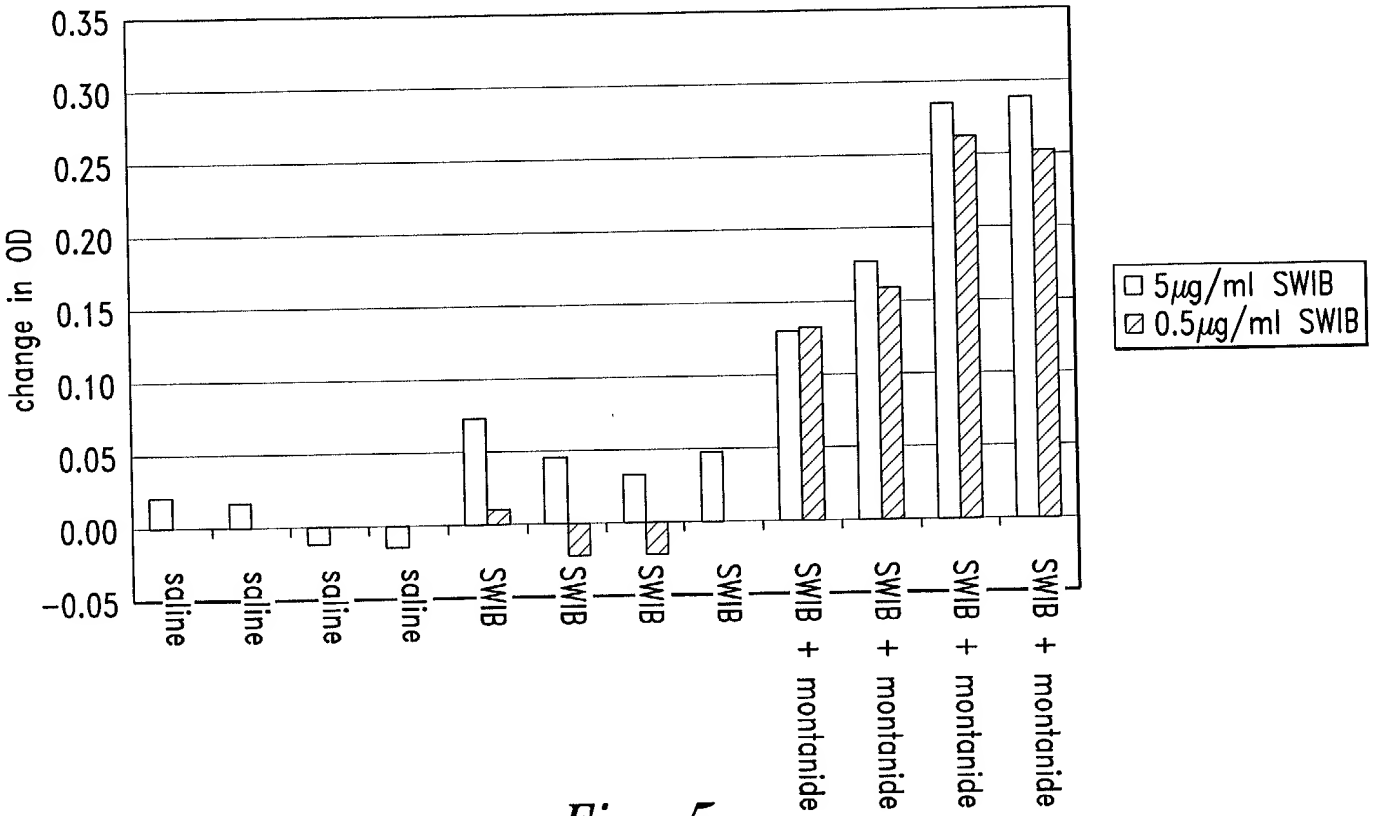

0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
change in OD
saline
saline
saline
saline
SWIB
SWIB
SWIB
SWIB
SWIB + montanide
SWIB + montanide
SWIB + montanide
SWIB + montanide
5μg/ml SWIB
0.5μg/ml SWIB

Fig. 5

CP SWIB Nde (5' primer)
5' GATATACATATGCATCACCATCACCATCACATGAGTCAAAAAAATAAAAACTCT

CP SWIB EcoRI (3' primer)
5' CTCGAGGAATTCTTATTTTACAATATGTTTGGA

CP S13 Nde (5' primer)
5' GATATACATATGCATCACCATCACCATCACATGCCACGCATCATTGGAATGAT

CP S13 EcoRI (3' primer)
5' CTCGAGGAATTCTTATTTCTTCTTACCTGC

Fig. 6

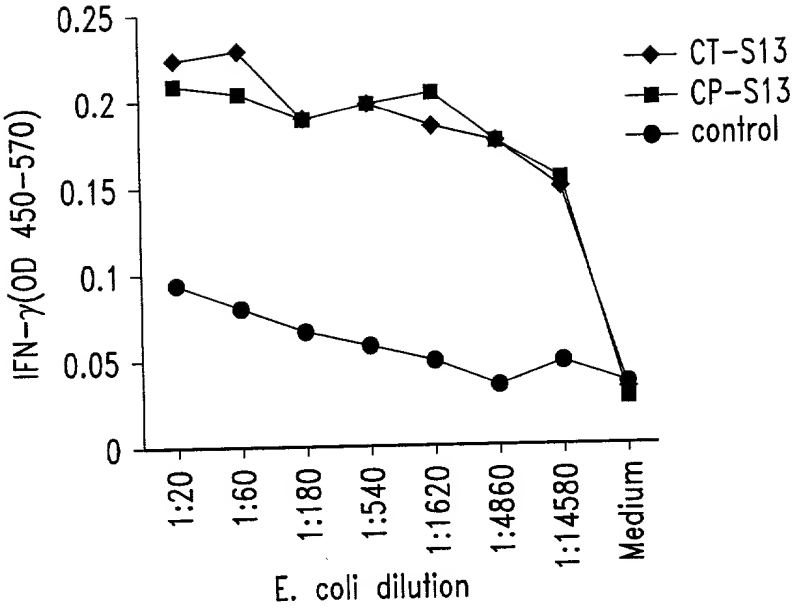

0.25
0.2
0.15
0.1
0.05
0
IFN-γ(OD 450-570)
CT-S13
CP-S13
control
1:20
1:60
1:180
1:540
1:1620
1:4860
1:14580
Medium
E. coli dilution

Fig. 7A

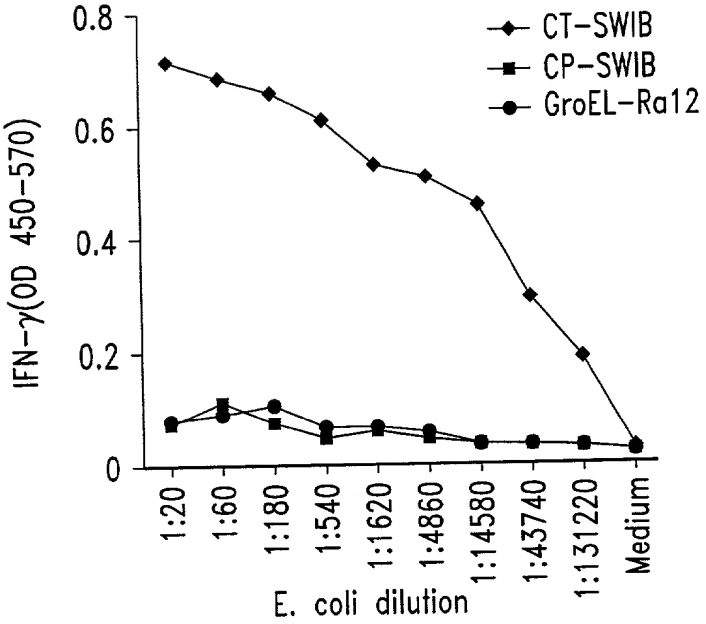

0.8
0.6
0.4
0.2
0
IFN-γ(OD 450-570)
CT-SWIB
CP-SWIB
GroEL-Ra12
1:20
1:60
1:180
1:540
1:1620
1:4860
1:14580
1:43740
1:131220
Medium
E. coli dilution

Fig. 7B

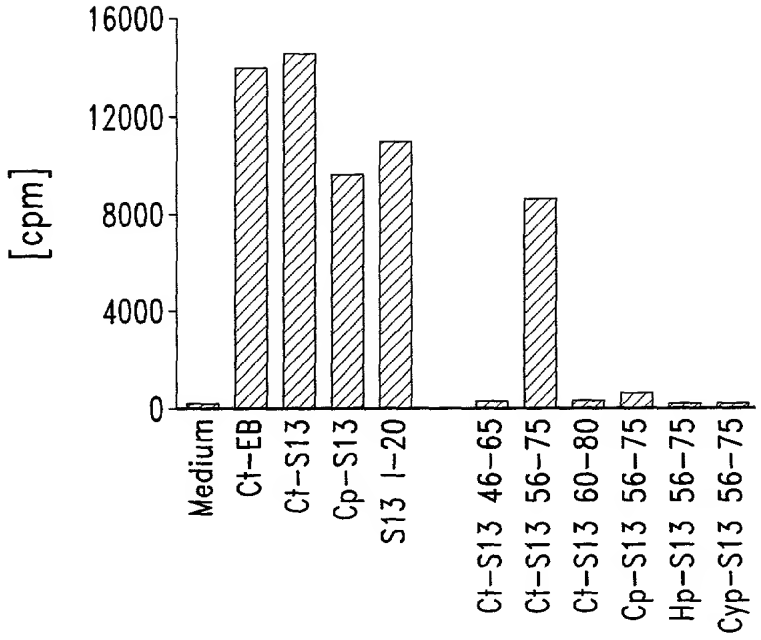

16000
12000
8000
4000
0
[cpm]
Medium
Ct-EB
Ct-S13
Cp-S13
S13 1-20
Ct-S13 46-65
Ct-S13 56-75
Ct-S13 60-80
Cp-S13 56-75
Hp-S13 56-75
Cyp-S13 56-75

Fig. 8

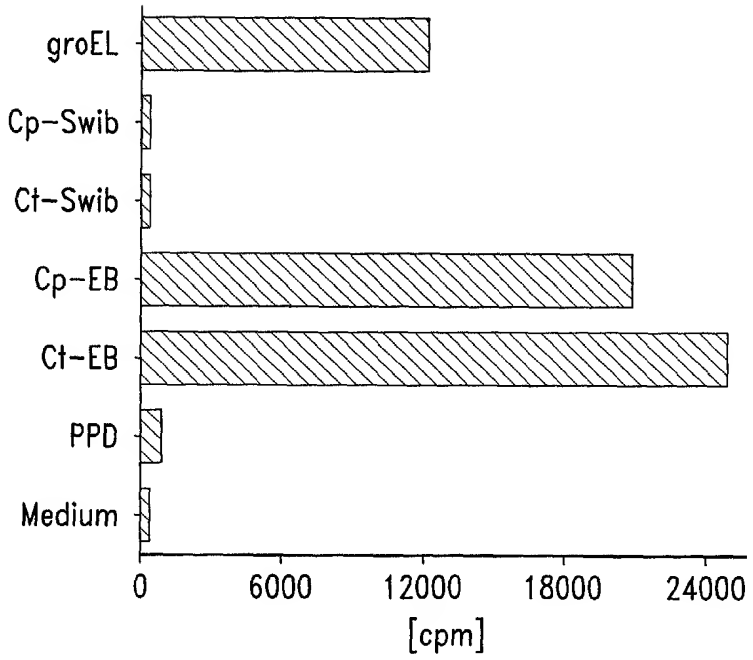


Fig. 9A

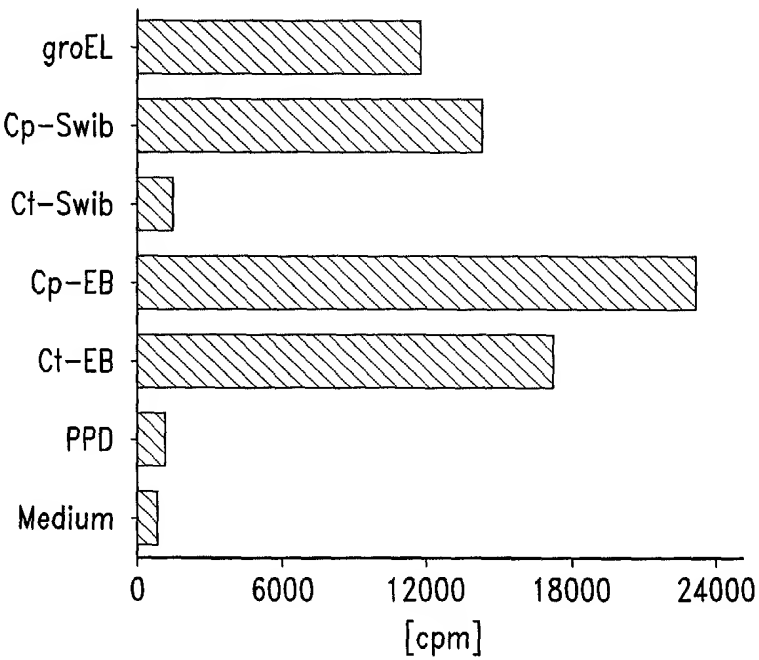


Fig. 9B

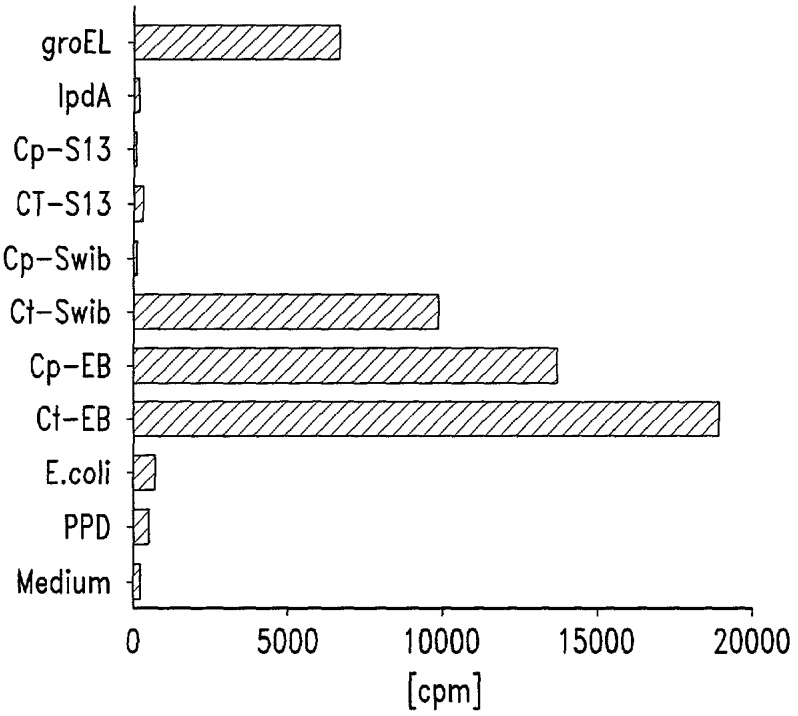


Fig. 10

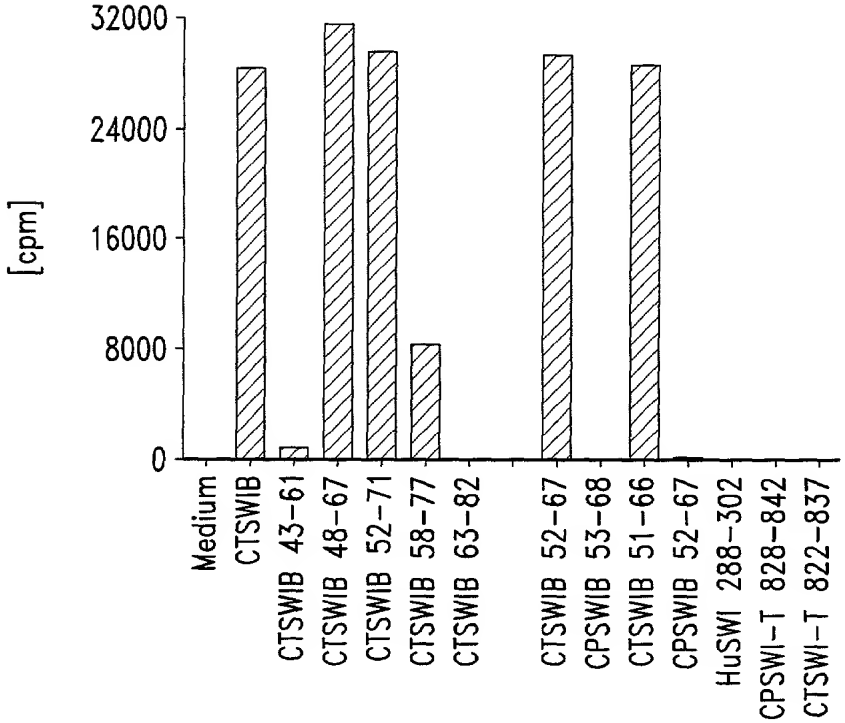


Fig. 11

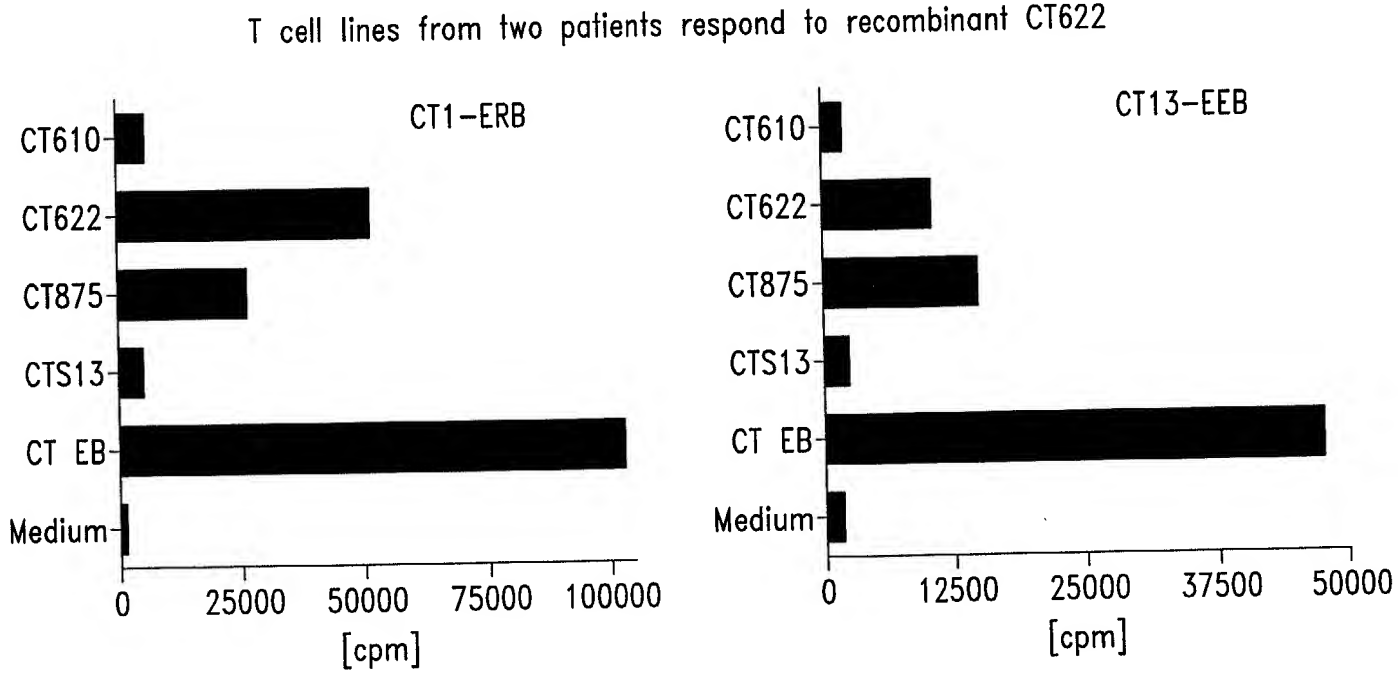

T cell lines from two patients respond to recombinant CT622
CT1-ERB
CT610
CT622
CT875
CTS13
CT EB
Medium
0
25000
50000
75000
100000
[cpm]
CT13-EEB
CT610
CT622
CT875
CTS13
CT EB
Medium
0
12500
25000
37500
50000
[cpm]

Fig. 12